



# Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12



Volume 2, No. 4

OAK RIDGE, TENNESSEE

Tuesday, Jan. 27, 1948

57521



IT COULD HAPPEN HERE, so a Local Emergency Squad in Bldg. 9204-3 is given first aid training in caring for a "patient" with a "broken neck." The "patient" in the picture above is James H. Graham. Carefully placing him on a broken neck splint are from left, W. T. Mitchell, L. R. Parrett, John G. Harris, Charles St. John, Samuel E. Patty and O. D. Matlock, the latter being Local Emergency Deputy Director. In the rear, holding bandages, is L. C. Hale and Harry Brundage, first aid instructor. Treatment of a person with a broken neck, under United States Bureau of Mines first aid technique taught in Y-12, involves use of a splint composed of two boards more than six feet long and six inches wide, three boards 22 inches long and four inches wide, blankets or other material for padding and numerous bandages to secure the patient to the splint. One of the most important steps in this treatment is to keep the head of the patient in line and to prevent any movement of the neck. All of the equipment is carried on the Fire Department emergency truck that answers emergency and accident calls in the plant.

## Proper Protection Of Data Important

Proper protection of all classified documentary information and data and repositories of such matter is one of the most important phases of the Y-12 security program, the Security Office, North Portal, has declared.

Posting of names, addresses and telephone numbers of responsible custodians of classified information on the outside of repositories for such matter is required. Standard Practice Procedure No. 55 outlines provisions on this point.

Lock combinations on repositories of restricted and classified data are changed at least twice annually and immediately if there is reasonable belief that the combination has become known to any unauthorized person or when an employee authorized to know the combination is transferred or terminated. All such changes shall be made by the Key and Lock Section only and the date on which a combination is changed shall be displayed on the inside of each file or safe.

The Standard Practice Procedure No. 55 also requires that the word "unclassified" be posted on the outside of each file or safe not used for storing restricted data.

Each office in which restricted data is held shall appoint an employee to serve on either a temporary or permanent assignment as duty officer. This duty officer is required to check at the end of each day to determine that all restricted data is stored properly and that repositories containing such matter are securely locked.

## Three New Departments Reach Top Brackets In Attendance

Three departments reported substantial gains in work attendance marks for the week ending January 18, although only three groups had perfect attendance marks for that period as compared to four the preceding week. The plant absentee mark as a whole jumped up .2 per cent for a record of 2.9 per cent for the week ending January 18.

### Physical Tests Will Include Blood Typing Of Employees

Facilities now are available at the Y-12 Dispensary for blood typing for employees desiring this service, it has been announced by Dr. Paul Scofield, Medical Director.

This step is being taken as a protective move for employees to whom the information on their blood type would be valuable in case they need a blood transfusion. Blood typing will be included in the next physical examinations to be given all employees, but in case of emergency an employee may receive the service at the Dispensary between 9 a.m. and 3 p.m. by arranging a schedule with supervision. When blood typing is made, all employees will receive a card describing the type of their blood.

Supervision will begin scheduling the regular physical examinations some time next month.

### PHYSICAL SOCIETY TO MEET

The 14th annual meeting of the Southeastern Section of the American Physical Society will be held in Oak Ridge April 9 and 10. Dr. Clifford Beck, Director of Research and Development at K-25, is in charge of arrangements.

The three perfect attendance departments all were in the minor league. Dept. B12A, Superintendents, was the only repeater from the week ending January 11, holding first place with a spotless mark. Dept. M13P, Product Processing, jumped from seventh place to a tie for first, also with a perfect attendance record. Jumping from ninth place to deadlock the other two groups in first place and also without an absentee during the week ending January 18 was Dept. A15N, Experimental Process Equipment Maintenance.

In second place in the minor league was Dept. A12R, Cafeteria (Continued on Page 2)

## Plant Emergency Plan Training Program Makes Progress In Y-12; Mine Bureau Man Praises Work

Smooth and steady progress is being made throughout Y-12 in training of employees for the various roles they will play in execution of the Plant Emergency Plan that has been evolved for the protection and safety of the plant and its workers. Coordinated by the Supervisory Training Department, the program has advanced to the stage to where a number of Local Emergency Squads and Auxiliary Fire Fighting Squads already have been organized and more and more employees are completing the 15-hour first aid course offered everyone in the plant.

The first aid training, one of the backbones of the Plant Emergency Plan program in that it offers instruction in how to give proper emergency treatment to an injured person, was started in Y-12 December 1. Two United States Bureau of Mines representatives launched the program by giving a 30-hour instruction course to 12 selected Y-12 employees, who in turn passed their teaching on to others in the plant.

### Braden Checks Program

To check on the work of these 12 original instructors and progress of the first aid program as a whole, G. M. Braden, Bureau of Mines safety instructor visited Y-12 last week to inspect work being done here. The bureau representative attended classes now in training and received first hand information on development of the work.

Braden was one of the two Bureau of Mines representatives who participated in the initial training work in Y-12 and after his visit last week he was high in his praise of the efficiency with which the first aid classes are being conducted in the plant.

"In observing the instructors at work, I find them very able and showing that they have devoted much time to study and preparation of their training work since I last saw them," Braden said. "That they have been attentive to the training they received is indicated in the manner they answer questions put to them in classes and the way they put their ideas across."

### Squad Completes Course

The first of six emergency squads in Bldg. 9204-3, the first to be formed in the plant, completed its 15-hour first aid course during the last several days. This squad includes W. T. Mitchell, L. P. Parrett, James H. Graham, John G. Harris, Charles St. John, L. C. Hale, Samuel E. Patty with O. D. Matlock as Local Emergency Deputy Director and Harry Bainbridge as First Aid Instructor. Because of the working schedule in that building the director of the emergency squads there is the operating foreman on duty.

As an example of the progress being made in training in this building alone is the fact that 60 per cent of the personnel of the Local Emergency Squads and the (Continued on Page 3)

## March Of Dimes Drive Launched In Y-12 Plant



Y-12 employees this week are being given an opportunity to contribute to the annual Oak Ridge March of Dimes campaign as containers to receive donations have been distributed throughout the plant. The containers are conveniently located, mostly near vending machines, to facilitate receiving of the spare pennies, nickles, dimes, quarters and other change a contributor wishes to give in the drive against infantile paralysis.

### Polio Ball Friday Night

The campaign will be concluded Friday night, January 30, with the staging of the annual Polio Ball at Grove Recreation Hall. Tickets for this function will cost \$1.25 per person, including tax, and may be obtained at the Y-12 Recreation Office, North Portal. Music for the dance will be provided by "Skip" Skipper's orchestra, an Oak Ridge musical group.

The Oak Ridge campaign is being conducted by the Oak Ridge Lodge, No. 1684, B. P. O. E. for the third successive year. Morris W. Adelman, of AIT, is the local campaign director and Robert E. Simpson, of the Oak Ridge Hospital, is chairman of the fund raising drive. W. O. Watson, assistant chief of the Y-12 Guard Department, is in charge of the campaign in the plant.

### Most Remains In County

In 1947 Oak Ridge and Anderson County raised \$9,200 during the March of Dimes and drive officials are hopeful of exceeding that sum this year. Of the money raised in the county, 90 per cent remains in the county and will be administered by the Anderson County Crippled Children's Committee.

## Y-12 Cafeterias Given Perfect Health Mark After Inspection

The main Y-12 cafeteria in Bldg. 9711-5 and the Bldg. 9212 cafeteria both received absolutely perfect marks in a health and sanitation inspection made by the Oak Ridge Department of Public Health January 14. Dept. A12R, Cafeteria and Canteen Superintendent George W. McNamee has been informed by health department authorities.

As a result, the Y-12 eating places naturally retain their Grade A rating.

The Oak Ridge Department of Public Health sets a high standard for eating places in the city and plant areas and Superintendent McNamee is justly proud of the clean slate handed down in the last inspection report. Health department inspectors informed The Y-12 Bulletin last week that the Y-12 cafeterias continuously rate among the most sanitary in the entire Oak Ridge area.



# Y-12 Bulletin

Published Weekly By  
Carbide And Carbon Chemicals  
Corporation

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Oak Ridge Tenn.

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## Widows Of Veterans Missing Benefits

Widows of former service men who died within three years after being discharged from service who have not applied for social security benefits will lose the benefits if they do not make application for them.

Under an act of Congress veterans are covered by social security for a period of three years following their discharge if the veteran had at least 90 days of service after September 15, 1940, and was discharged under conditions other than dishonorable. If the veteran dies at any time during that three-year period, the widow and children become eligible for compensation under the law, providing the widow is unemployed.

Payments vary according to the length of service of the veteran and the number of dependents left.

Widows believing themselves eligible for the benefits may obtain information as to their status from the Knoxville Social Security Board.

## Three New Departments Get Higher Attendance Marks

(Continued from Page 1)

and Canteen, with an absentee mark of .8 per cent. Third place was held by Dept. A12T, Garage Repair Shop, with an absentee mark of 1.1. Both of these departments were tied for first place the previous week.

In the major league top honors for the week ending January 18 were held by Dept. H12L, Research and Development, which jumped from eighth place the preceding week. The absentee record of this group was .7 per cent. In second place with an absentee record of .8 per cent was Dept. A14N, Electrical Equipment Repair and Maintenance, which held the same spot the previous week. Maintaining third position for the second week in a row was Dept. B12H, Refining, with an absentee record of .9 per cent.

The absentee mark for the plant by departments follows:

MAJOR LEAGUE More than 50 Employees			
Dept.	Absent Percentage	Standing	1-18-48 1-11-48
H12L	0.7	1	8
A14N	0.8	2	2
B12H	0.9	3	3
A14J	1.0	4	1
A13N	1.4	5	7
A12G	2.0	6	6
B12C	2.2	7	14
A16N	2.6	8	10
B12L	3.0	9	12
H12D	3.1	10	4
A17N	3.25	11	5
A12M	3.25	11	16
B13L	4.5	12	12
H12E	4.7	13	11
A12S	5.4	14	13
M12P	6.1	15	15
A12W	8.2	16	9

Group absentee percentage was 2.8 per cent, .3 per cent higher than the preceding week.

MINOR LEAGUE 15-49 Employees			
Dept.	Absent Percentage	Standing	1-18-48 1-11-48
B12A	0.0	1	1
M13P	0.0	1	7
A15N	0.0	1	9
A12R	0.8	2	1
A12T	1.1	3	1
A12L	1.3	4	3
A13T	1.7	5	2
M12S	2.5	6	5
A19N	4.0	7	4
A12A	5.2	8	6
B13C	5.6	9	12
A12N	5.8	10	10
A13S	5.9	11	8
A12D	9.4	12	11

Group absentee percentage was 2.9 per cent, .3 per cent lower than the preceding week.

The plant average for the week ending January 18 was 2.9 per cent, .2 per cent higher than the preceding week.



J. M. Case, E. E. Kennedy and W. H. Donahue, all of Dept. A16N, are among the Y-12 employees who recently graduated from the class in piloting and small boat handling conducted by the Oak Ridge Power Squadron. They were inducted into the squadron at a dinner given at the Edgemore Restaurant recently. Ship ahoy, mates.

Ruth Buttles, Dept. A12J, and Kay Guthrie, Dept. B13C, top the ski enthusiasts in Y-12. When snow recently provided good skiing in the Smoky Mountains these Y-12 girls joined other hickory slat fans for a party over the ski runs at Indian Gap and also at Clingman's Dome, where the snow was reported perfect for the thrilling outdoor sport. Ruth reported the party also joined in skijoring, in which the skier is towed behind an automobile—or other means of locomotion handy at the time. The party reported a fine time had by all with the usual bumps and bruises equally divided between the participants. Reports of the outcome of the skiing party are reported to have encouraged a number of Y-12 folks to form a plant skiing club.

George W. McNamee, Superintendent of Dept. A12R, Cafeteria and Canteen, was confined to his home for a few days last week afflicted with a bad cold. He returned to work Thursday.

L. H. "Sky" Barker, Administrative Assistant, bowler de luxe and all-around sports fan, particularly where University of Kentucky teams are concerned, already is picking the Wildcats against the field in the Southeastern Conference basketball tournament to be held in Louisville, Ky., March 4, 5 and 6.

Dept. A19N is sending get well quick wishes to Laura Kennedy, who has been ill.

Quick recovery wishes also are being sent to H. L. Martin by Dept. A12W.

Dept. B12C is happy to hear that the son of Lee Pruitt is out of the Oak Ridge Hospital and rapidly recovering from a recent illness.

Dr. Paul Scofield, Y-12 Medical Director, is back from Cleveland, Ohio, where he attended the annual Congress on Industrial Health of the American Medical Association. He relates an interesting account of a demonstration of sports activities by amputee veterans of World War II in which some without arms staged a wrestling match and some minus legs participated in roller skating.



Three births were reported to Y-12 families at the Oak Ridge Hospital last week. They were: Mr. and Mrs. James V. Ledbetter, a daughter, January 15; Mr. and Mrs. Merritt C. Wiest, a son, January 16; Mr. and Mrs. Bruce Wilmer Stockbridge, a daughter, January 19.

## Hospital List

The following Y-12 employees were patients in the Oak Ridge Hospital last week: Frederick Uffelman, Dept. M12M; Nathaniel Stetson, Dept. H12E; Howard L. Martin, Dept. A12W; Vergal G. Nance, Dept. A12G; Randall B. Amas, Dept. A13N; David E. Lewis, Dept. A17N; Laura D. Kennedy, Dept. A19N; Ethel O. Rose, Dept. M12P; Willard L. Boone, Dept. A13T; Meta D. Butler, Dept. A16J; Winfred O. Elam, Dept. A114J; Ernest V. Hawk, Dept. A16N; John L. Horton, Dept. Dept. H12L; Roy B. Blankenship, H12E; Jacob F. Manneschildt, Dept. A12G; Charles M. West, Dept. Dept. M12P.

## B. P. W. MEET SET

Y-12 members of the Business and Professional Women's Club have been urged to attend a dinner meeting of the organization at 7 o'clock tomorrow night at the Central Cafeteria.



SOME OF THE MODERN EQUIPMENT IN THE CARBIDE CAMERA CLUB darkroom in the East Portal of Y-12 is being inspected by members of the organization in the picture above. At left, Gilbert E. Mellen, vice president of the club, is looking into a solar enlarger as F. F. Calloway, president, is inspecting the lower part of the enlarger. The next pair are N. K. Bernander, in checked shirt, and K. O. Johnson adjusting a Kodak Precision A enlarger. Next to the right is P. R. Vanstrum, also a vice president, examining an Albert contact printer. At the extreme right is F. H. Neill holding a Kodak developing tank for 33 millimeter film. On the shelf above Vanstrum and to his right are a safelight and timer. To the right of the printer on the bench is a new Lott electric print drier. All of this equipment is available to members of the club. All club members in the picture are Y-12 employees with the exception of Vanstrum, of K-25.

## Boat Building Bug Buzzing Around Y-12

Spring must be closer at hand than is indicated by the recent weather, according to news released by W. C. Tunnell, treasurer of the Oak Ridge Power Squadron, who said that a number of Y-12 men and members of the organization had already laid plans to start boat building in early February.

The squadron, Tunnell said, had acquired a building from the Atomic Energy Commission located in Gamble Valley and that boat building and repairing activities would start just as soon as heating facilities were installed. That problem, he added, would be solved in a short time.

Squadron members at Y-12 who plan to start boat building soon are Gus Angele and Jack Case and their plans call for the building of small cruisers. Bill Brundage, also of Y-12 as is Bill Tunnell, figures on constructing a runabout and Tunnell has in mind the building of a racing boat. Other Y-12 members, George Lockhart and George Banic, will haul their boats out to the shop at Gamble Valley for repairs. Tunnell said if facilities at the building were found adequate, other than members of the squadron would be afforded accommodations for boat repairing and building.

## Capehart Elected Group Chairman

Bertis E. Capehart, director of guidance at the Oak Ridge High School, has been elected chairman of the Oak Ridge branch of the Anderson County Crippled Children's Committee, succeeding Robert E. Simpson. William F. Elkin, of the Oak Ridge Department of Public Health, was reelected secretary of the committee at the meeting held January 14.

Capehart also was chosen as Oak Ridge representative on the Anderson County committee, to fill the unexpired term of Paul F. Waldner who has left the city. Mrs. C. A. Bergan was reelected to a three-year term on this committee.

There would be no progress if well enough were let alone.

## Dept. B12H Janitress Sets Excellent Attendance Mark

A near perfect work attendance record of well over four years has been established in Y-12 by Rosia Lee Martin, a janitress in Dept. B12H, who dates her employment back to November 9, 1944. From that time up to the present date, Rosia missed but one day and that was an excused absence at the time of her daughter's graduation from high school in May, 1944. She and her husband, James Martin, who works in the D Area, lives at 513 Patton Street, Knoxville.

The record is particularly impressive because of the fact that Rosia commuted to work every day from Knoxville.

## Montgomery Police Are 'Hex' Removers

Montgomery, Ala. policemen have found a sideline job in addition to patrolling their beats. It is hex removing.

Officers M. S. Chisolm and E. Y. Lacey, according to a recent press dispatch, found a woman on their beat who said she couldn't move a muscle because of a witch's spell. They hid a brown parcel in the woman's room when she wasn't looking and poked around until they found it.

They muttered incantations as they unwrapped the parcel and finally uncovered a dead spider, dead fly and other articles. They told the woman the "hex" had been found.

She stood up and walked.

## RADIO PERMITS AT TOP

No further permits for amateur radio operations in Oak Ridge will be issued by the Security Division of the Atomic Energy Commission unless the holder of an existing permit relinquishes the privilege. There now are 94 such permits in Oak Ridge.

## OAK RIDGE AREA NOW

The official name for the territory here under administration of the Atomic Energy Commission now is the "Oak Ridge Area." An AEC communication announced the change in the name from Clinton Engineer Works, which has been the designation of the area since September 9, 1942.

## Hairstylists Rule Shorter Locks, Hidden Ears

The Hollywood Hairstylists Guild has decreed a "new look" in hairstyling that rules out the extreme upsweep and the long bob with loose, fluffy hair, according to recent news dispatches from the movie metropolis.

Now, girls, the Guild demands shorter hair, styled closer to the head with smooth waves concealing the ear.

The new styles, the Guild says, is dictated by the new feminine silhouette and the hair styles complement the narrower waists, full skirts and modified shoulders.

## Lionesses Club To Elect Officers

Wives of members of the Oak Ridge Lions Club will elect officers of the Lionesses, women's auxiliary of the civic club, at a meeting set for 7 p. m. February 16, at Grove Recreation Hall. Plans then will be laid for presentation of a charter to the Lionesses from the Lions Club.

Mrs. Howard P. Doyle, is chairman of a nominating committee that will submit a slate of proposed officers at the February 16 meeting. Other members of this committee are Mrs. F. Phillip Collett and Mrs. William Bonham.

## SCOUT WEEK PLANS MADE

Two dinners and church services at the Chapel-On-The-Hill will mark observance of Boy Scout Week in Oak Ridge. Scout leaders and persons interested in the movement will hold a dinner meeting Friday, February 6. On Sunday, February 8, the services will be held and on Tuesday, February 10, a father and son box supper will be held at Grove Recreation Hall. February 8 is the anniversary of the organization of the Boy Scouts 38 years ago.

You can contribute to the defense of the nation—protect the knowledge of your job.

Present in person — absent in mind — that's how accidents occur.





CLIFFORD COOPER, ALHAMBRA, CAL., A NATIONAL VICE PRESIDENT of the United States Junior Chamber of Commerce visited Y-12 last week while on a tour of Oak Ridge and was greeted by plant employees who are Jaycee members and officials of the local organization. In the picture above are from left, Lester M. Cook, secretary of the Oak Ridge group; Mrs. and Mr. Cooper, G. C. Henderson, Chief Safety Engineer of Y-12 and president of the Jaycees of Oak Ridge; John Tygard, AIT, national director of the Jaycees for the State of Tennessee; and Clarence Johnson, of the Y-12 Safety Office.

## Bakelite Plastic 'Packages' Ships, Equipment For Navy

America has a sleeping giant. Ships whose guns had been pointed toward Kwajalein and Luzon, Salerno and "Omaha" Beach in war are not destined for the scrap pile in peace. Instead, more than 2,000 ships of the East Coast's Sixteenth Fleet and the West Coast's Nineteenth Fleet are being "packaged" against time and the weather. The wrapping materials are Vinylite resins of plastics.

This brand of plastics is sold by Bakelite Corp., a sister unit to Electromet. You have seen many uses of this type of plastic sold in the stores in other forms— as food-bowl covers, shower curtains raincoats, handbags, hat boxes, and scores of other articles, including even high-styled shoes. Bakelite furnishes the material to manufacturers in a variety of forms, as thin film and sheeting, some of which will stretch like elastic and some that will not stretch; as thick, rigid sheets; as a material that can be molded under heat and pressure into almost any shape, or "squeezed" out as rods, tubes, or fine threads.

### Used to Make Safety Glass

High-test safety glass in cars and trains is made by sandwiching one type of Vinylite resin between two pieces of glass. Another form is a powder to be mixed with other chemicals as a liquid solution that is used for coating different kinds of surface to give resistance to moisture, wear, and chemical corrosion. It was in this last form that the Navy was particularly interested in.

The Navy was faced with the problem of having to "store away" those ships not needed for peacetime use, such as patrol duty or policing operations, while at the same time protecting important and delicate equipment so that it would be ready for active duty if needed.

### Old Methods Unsatisfactory

The usual methods for protecting inactive but exposed equipment aboard Navy ships were found to be not too good. Often costly equipment became rusty or otherwise unusable after a short period of time. What the Navy needed was an entirely different method of "packaging" this equipment— something that would give the best possible protection against sea air, rain and other corroding effects, and yet that could be removed quickly and easily when necessary.

Here is how it is done. First, a framework of tape is built up around the object to be sealed. Then the spray gun is "loaded" with the Vinylite resin solution, mixed with a chemical that makes it all come out as a fine cobweblike thread. This thread is "shot" all over the tape frame until the cobweb is strong enough to take the next step.

### Solution Spread Over Web

The spray gun is then charged with the resin solution, but instead of the thread-forming chemical another chemical that works against the formation of rust is mixed with

it. This solution is sprayed all over the web until a film is formed that is thick enough for strength and to keep out moisture.

A topcoat of the resin is then sprayed on and this solution contains a pigment (like the color pigment of paint) that guards primarily against the effect of the sun's rays. Finally, a window is cut in the film and the air is dried and fumes driven out by a hot-air blower. A chemical drying agent is placed inside and the window sealed up again. Sometimes instruments to measure temperature and humidity also are placed inside; then a clear rigid sheet of Vinylite plastic is placed in the window so the instruments can be watched. Can Be Quickly Removed

One of the best things about this method of "packing" is that it can be applied to equipment of any size or shape. But best of all, it does away with the necessity for taking the equipment, such as big guns, apart, piece by piece, and storing them. This took a long time and was costly. Now, the entire gun or equipment is sealed in, and, when called upon for action, it can be stripped of its coating in five minutes.

## Ridge Jaycees Win "A Award"

The Oak Ridge Junior Chamber of Commerce has been recognized as one of the 12 most progressive chapters in the United States by the national organization, G. C. Henderson, of Y-12, president of the local group, has announced. A certificate to this effect has been received from national headquarters, being designated as the "A Award."

The rating was based on a report of Oak Ridge Jaycee activities prepared by Homer Hunter, also of Y-12. Knoxville Jaycees were similarly honored by the national Jaycee organization.

## Clock Thief Has Time On Hands

Lex Sanderson, of Little Rock, Ark., has plenty of time on his hands now.

Recent news dispatches recorded that Sanderson now is spending three years in an Arkansas prison for stealing \$2,000 worth of clocks and selling them to dealers in small Arkansas towns. He was sentenced by Judge Gus Fulk in Pulaski County Circuit Court at Little Rock.

### BRIDGE TOURNAMENT SET

The Oak Ridge open pair contract bridge championship tournament will be held Saturday, January 31, at the Ridge Recreation Hall. Play will begin at 1:45 p. m. and refreshments will be served during an intermission. An entry fee of \$1 per person will be charged and the winning couple will receive a trophy and two master points in tournament ratings.

## Plant Emergency Plan Training Progresses

(Continued from Page 1)  
Auxiliary Fire Fighting Squads have completed their first aid training.

The 15-hour first aid course includes instruction in artificial respiration, control of bleeding, treatment of shock, burns, wounds, dislocations, fractures and transportation of disabled persons from scenes of accidents to where medical aid can be obtained. The training of Auxiliary Fire Fighting Squads includes both first aid and ways and means of combating fires of varied types and size so that they can carry out their assignments of supplementing the work of the regular Y-12 Fire Department, which won second place among industrial plants throughout the nation for its Fire Prevention Program in 1947.

### 50 Squads Contemplated

Under the Plant Emergency Plan formation of approximately 50 Local Emergency Squads is contemplated. Where such squads are located in buildings and areas where shift work is not involved, permanent directors are appointed. Although the size of the emergency squads vary, the average membership is four.

Local Emergency Directors are responsible for the coordination, supervision and training of the Local Emergency Squads and Wardens in buildings or areas over which they are assigned. Prescribed duties of the Local Emergency Squads are to combat emergencies within their buildings or areas and to take steps to place the emergencies under control. The Wardens have the duty of directing the evacuation of employees from buildings or areas when an emergency occurs that warrants such evacuation.

### Participation Is Voluntary

It is stressed that participation in the first aid program and membership on the Local Emergency Squads and Auxiliary Fire Fighting Squads is based purely on a voluntary basis with the objective of combating every conceivable emergency that might threaten the safety of fellow employees, buildings and equipment. All participants are solicited on a basis of physical fitness and mental alertness. All employees volunteering for such work must be approved by the Y-12 Medical Department as able to perform the duties prescribed for them.

Several new classes have been formed in the last two weeks. Among them are groups in Bldg. 9206, Bldg. 9212 and Bldg. 9203. In addition to these classes, training was begun of groups in the Manufacturing Offices Division, Maintenance Division, Research and Development Division and Industrial Relations Division. Instructors include R. M. James, Nelson Tibbatts, R. W. Cantrell and R. H. Waddle.

### Other Groups Finish Work

As these new classes were receiving first aid training other groups completed the 15-hour course. These included four in the Refining Division with Harry Bainbridge and Howard Harmon as instructors, one in the Chemical Department in Bldg. 9206 with H. M. Grubbs in charge of the instruction, one in the Maintenance Division with Jimmy Wilson as instructor, another in Manufacturing Offices with James instructing and two in Research and Development taught by Cantrell and Jack Thomson.

### CARNEGIE COURSE PLANNED

The public affairs committee of the Oak Ridge Kiwanis Club has invited Y-12 employees interested in the Dale Carnegie Course in Effective Speaking, Personality Development and Human Relations to attend a meeting at 8 o'clock Friday night at the high school auditorium when plans will be laid to organize a class here. At least 40 persons must enroll in a class to insure the course being offered.

Do not transfer any restricted data except through prescribed channels.

When using a ladder—watch out for its feet as well as your own.

## Additions To Y-12 Technical Library

### Mathematics

QA-303—Murnaghan, Francis D., "Differential and Integral Calculus." N. Y., Remsen Press, 1947. 502 pages.

### Physics

QC-33—Lemon and Ference, "Analytical Experimental Physics." Chicago, University Press, 1943. 587 pages.

QC-169—Jnanananda, Swami, "High Vacua." N. Y., Van Nostrand, 1947. 310 pages.

QC-243—Bergmann, Ludwig, "Ultrasonics and their Scientific and Technical Application." N. Y., Wiley and Sons, 1946. 264 pages.

QC-451—Tolansky, S., "High Resolution Spectroscopy." London, Methuen and Co., 1947. 291 pages.

### Chemistry

QD-81—Hogness and Johnson, "Qualitative Analysis and Chemical Equilibrium, Third Edition." N. Y., Henry Holt and Co., 1947. 553 pages.

QD-453—Gucker and Meldrum, "Physical Chemistry." N. Y., American Book Co., 1944. 683 pages.

### Technology

Periodical — "Metallurgia, the British Journal of Metals," beginning with October, 1947 issue.

Periodical—"Da Det," first issue, November 1947. (An AEC Bulletin concerning Radiation Detection Instrumentation.)

## Sportsmen's Club To Hold Open House On Saturday

Barbecued venison along with other meats will feature the menu of the Oak Ridge Sportsmen Club's program for this Saturday when the organization will hold open house for its members and their guests in commemorating the official opening of its new club house. The venison was brought back from Texas by Duncan C. Copeland, a member and "Rod and Gun" columnist for the Oak Ridge Journal.

According to Evan Means, Dept. A14N, and chairman of the club's fishing and casting division, the organization will sponsor an Oak Ridge fishing rodeo this year as well as casting events. Means also said visitors were welcome to watch the small-bore rifle shooting matches which are being conducted every Sunday at the range, starting at 1:30 p. m. The shooters hold weekly contests in the East Tennessee Gallery League and are looking for additional members.

The cop noticed the man coming down the street in a barrel. "Look here, fella," the officer said; "what's the idea of the barrel? Are you a poker player?" "No, sir," the man replied. "But I spent a couple of hours with some guys who were."

## Oak Ridge Chest Officers Elected

Llye D. Worrell, of Roane-Anderson Co., was elected president of the Oak Ridge Community Chest at a membership meeting last Thursday at Ridge Recreation Hall. McKee Alexander, manager of the Oak Ridge Guest House, was named as campaign chairman for the 1948 Chest drive. A complete slate of officers and directors to handle Chest affairs for the year also was chosen.

### Y-12 Goes Over The Top

It was reported last week that Y-12 contributions to the 1947 Chest campaign exceeded the assigned quota of \$4,950.50. The sum of \$5,780 has been accredited to Y-12 in the drive.

Frank W. Wilson, commander of Oak Ridge Post, No. 199, American Legion, and an Oak Ridge attorney, was elected vice president of the Chest. Dan F. Brown, Jr., was re-elected secretary-treasurer.

Directors re-elected for a three-year term are Mrs. Madge Williams L. P. Riordan, A. H. Gossard and Brown. Kenneth Scott, of the American Federation of Labor; and Paul Ziesing, of the Congress of Industrial Organizations; were elected to three-year terms as directors to fill existing vacancies on the board.

### Six Directors Are Added

Under provisions of a resolution authorizing increase in number of directors from 18 to 24, six new members were elected. They were Mrs. Clark Center, Raymond Ostrander, Milton Shroyer, Mrs. Miles Leverett, Samuel Miller and Alexander.

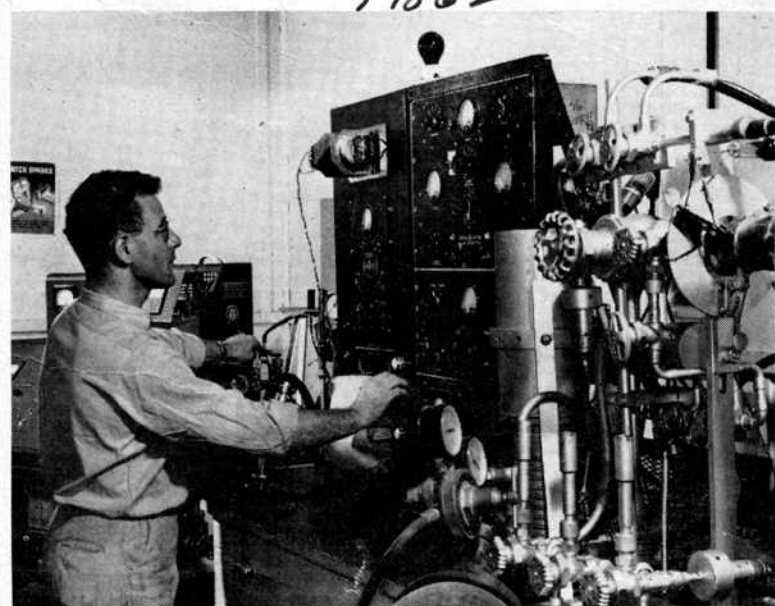
Holdover members of the Chest directorate are T. E. Lane, former president of the group; Howard P. Doyle, L. G. Bamer, Mrs. Dana W. Nance, Horace M. Sherrod, Kenneth C. Fahey, A. W. Folsom, C. E. McMillan, M. D. Peterson, George Warlick, Worrell and Wilson.

## 500 Attend Legion Dinner At Jefferson

More than 500 members of Atomic City Post No. 199, American Legion, friends, relatives and invited guests attended the membership dinner last Thursday night at Jefferson Recreation Hall. Gordon Browning, former governor of Tennessee, made the principal address, telling of his experiences with the Russians when he was an American Military Government aide to Gen. Lucius Clay in the European Theater.

Frank M. Wilson, commander of the post, announced that the Blue team turned in 383 new memberships to 379 for the Red team in a competition. The losers acted as kitchen police for the dinner.

Lock up all restricted data when it is not being used.



THE HIGHLY TECHNICAL WORK DONE IN Y-12 requires the use of many complicated instruments that must be absolutely accurate. One such piece of equipment is a Westinghouse leak detector, pictured above, on which Joseph Kramer, Dept. A14M, is making a final check after the instrument had been overhauled in the Y-12 Electronic Shop. With this type of detector use is made of a static mixture of one part of helium in 4,000,000 which gives full scale reading on the output meter and it is possible to detect the natural presence of helium in the air.



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## SPORT NEWS IN Y-12

### Time Keepers And Guards Are Gunning For Rough House Five As Plant Basketball League Play Continues To Offer Action

The Rough House Five came through with a 34-26 victory over the Guards in last week's most crucial contest and continued to top the Plant Basketball League after having put this seventh game in the win column against a single

loss. That lone game in the lost column was the result of a forfeited game at the start of the schedule.

Although the Guards trailed throughout the game, they were always within a few points of tying

it up and would have come mighty close to hanging a first defeat on the RH Five if their foul shooting had been up to par. In 11 attempts the Guards made but two points while the RH boys made good on two of six attempts. Rambling John Ramsey paced the winners, getting six field goals and a point on a free shot. Rick Sparks with five field goals and Paul Clevenger with four led the Guards.

The Time Keepers maintained their second place standing with an easy 42-23 conquest of the green Bottlenecks quintet when Elmer "Knobby" Green consistently zip-ped in field goals from far out on the court. The former LaFollette flash racked up 12 points in pacing both teams. Whenever these Bottlenecks begin to settle down and play co-ordinated basketball, some of the top teams will be in for a rude surprise in second half play.

The Kilroys lost a tough struggle to the Bldg. 9212 boys, ending upon the short end of a 23 to 19 score. No player on either team was outstanding in the scoring and points were scattered throughout both lineups.

#### Triple Tie Possible

Both the Guards and the Time Keepers will be gunning for the leading Rough House Five boys and should both be successful the first half of the season play could end up in a triple tie.

Friends, relatives and fellow-countrymen who have been turning out in goodly numbers to watch these heated plant league contests will be back tomorrow night at the Scarboro gymnasium, where a triple header is booked. The first game, starting at 6:30 p. m., pits the loop leaders against the Time Keepers and Referee Red Darby will have his hands full in maintaining decorum. Red has been doing a bangup job as the lone hardwood floor arbiter at Scarboro and the fans like the long spacing of his whistle-toting. The Guards will attempt to bounce back against the Bldg. 9212ers in the second game and the third contest will be a "no quarter" affair between the Kilroys and the Bottlenecks.

#### Rest of Schedule Is Given

The rest of the first half schedule follows:

Friday, January 30—Guards vs. Bottlenecks, 6:30 p.m.; Rough House Five vs. Bldg. 9212, 7:45 p.m.; and Time Keepers vs. Guards 9 p.m.

Monday, February 2—Guards vs. Rough House Five, 7 p.m.

League standing as of last Thursday follows:

Team	W	L	Team	W	L
RH Five	7	1	Kilroys	4	7
Time Keepers	8	3	Bldg. 9212	2	8
Guards	6	3	Bottlenecks	0	5

### Big 'Uns Knock Comets From Plant League Lead

The Big 'Uns broke out of the basement of the Plant Bowling League last Thursday night by smacking the Comets, league leaders the preceding week, for three points. Taking advantage of this break, the Wolves were howling all alone on top of the pack after the rolling was over.

However, the Bottom Busters monopolized most high scoring honors with an 889 scratch single game, 1,052 handicap single game and a 2,967 handicap series. Buckminster's 247 single scratch game aided his mates in their scoring. Gregg, of the Wolves, rolled a handicap 652 series.

League standing follows:

Team	W	L	Team	W	L
Wolves	19	5	Chemical	9	15
Comets	17	7	Big 'Uns	8	16
Bldg. 9212	17	7	K. Holers	8	16
Bums	15	9	W. Butchers	8	16
B. Busters	13	11	One-91	6	18

Badges should be worn in plain sight at all times by everyone in the Y-12 area.

Keeping working with care — if you care to keep on working.

### Women Cagers Meet R-A Sextet Tomorrow; Two Feminine Loops Now Operate In Ridge

Coach Bill Davis' Y-12 lassies coasted to an easy 31-7 win over the Atomic Energy Commission girls last Wednesday night at the Jefferson Junior High School gymnasium in what turned out to be the last game of the six-team CEW Women's Major Basketball League. When play is resumed this week in feminine cage circles two loops will operate where last week there was but one.

### Slim Margin Victories Put Y-12 Cagers On Top

John Sewell, Fred Kappelman and other crack Y-12 male basketballers have been demonstrating a streak of swell economy in scoring in their climb to the top of the City Recreation Basketball League. In the four games won by the Y-12ers two have been annexed by the slim margin of one point while in the other two the victors actually squandered a point to come out ahead by two points. Y-12 and K-25 were tied for first place in the loop last Friday.

#### Stage Rally To Win

Usually, the Y-12 quintet has had to come from behind to win their games. This again proved true as Grove Merchants were taken into camp by the score of 26 to 24 in a rugged scrap Monday, January 19, at the Scarboro gymnasium. At half time the Merchants had 18 points while the Y-12 score was but 12. Then our side began to click to finish up with their scant but decisive victory.

Kappelman paced both teams in tossing in five field goals and three foul goals for a 13-point total. Sewell hit for three two-pointers and a singleton from the charity line.

#### Play Meters February 4

Y-12 played the Jaycees last night and will not get into action again until February 4, when they meet the Oak Ridge Meters at 9:15 p. m. on the Linden school hardwood.

League standing as of last Friday follows:

Team	W	L	Team	W	L
Y-12	4	1	Wildcats	2	3
K-25	4	1	Jaycees	2	3
O. R. Motors	3	1	G. M'chnts	1	3
Clinton Lab.	3	1	C. Stores	1	4
AEC	2	2	Celtics	1	4

### Varsity Keglers Of Y-12 Near Lead In Bowling Loop

The Y-12 varsity keglers came within one game of the City Industrial Bowling League leadership last week by trimming the K-25 pinmen in two out of three games at the Central Alleys. K-25 took the first game by the score of 845 to 816, but Y-12 swept the next two tussles, 855 to 815 and 909 to 826.

When Y-12 gets through jousting with the last-place Skidmores tonight at the Central and K-25 winds up against the third-place AEC aggregation, there is a good chance the lead may change hands, or at least, knot itself up in a two-way tie.

Potent in Y-12's two out of three win over K-25 were Cobble's 204, 160 and 192; ZaBenco's 173, 190 and 174; B. Whitaker's 160, 183 and 187; Robert's 171, 128 and 189; Barker's 137 for a single game; and Beckett's 194 and 167 for two games.

League standing follows:

Team	W	L	Team	W	L
K-25	38	19	R-A	29	28
Y-12	37	20	Fairchild	17	40
AEC	37	20	Skidmores	13	44

The AEC representatives and the Hill Top Marketeers have dropped out of the major competition and as a consequence, the CEW League has been reformed, a new schedule drawn up and an entirely new start made for the 1948 season. Y-12 will see action tomorrow night at the Jefferson gymnasium and their first opponents will be the powerful Roane-Anderson girls. The game will start at 7:15 p. m. and probably will be followed by a men's exhibition game which had not been scheduled late last week.

Johnson, Gilliam Lead Scorers  
Hazel Johnson and Joan Gilliam sparked the Y-12 offensive against the AEC aggregation with each getting three field goals, while Margaret Baker and Dorothy Mellen grabbed a pair apiece. Mellen continued great shooting from the foul line and made it two out of three via the charity route.

The two sextets which dropped out of major competition have been reformed into a "B" league along with the East Village Red Birds and a team sponsored by the Veterans of Foreign Wars Post No. 6351.

#### Six Games On Schedule

The new schedule for the "begin all over again" Women's CEW Basketball League calls for Y-12 playing each opponent twice and a total of six games. Other members of the "Big Four" besides Y-12 are Roane-Anderson, Clinton Lab and K-25. Following the Roane-Anderson game next Wednesday night, Y-12 will meet K-25 on February 2; Clinton Lab on February 4; Roane-Anderson again on February 11; K-25 on February 16; and will play Clinton Lab on February 18 for the final game. Each game is booked for the Jefferson gymnasium with starting time set at 7:15 p. m.

### Feminine Bowlers Sweep Pin Series Against K-25

The Y-12 varsity women's bowling team must have been trying to set up a good housekeeping program at the Grove Alleys last Thursday night in the City Women's Bowling League as they made a clean sweep of their engagements with their "cousins" from K-25. Our side now is only three games out of first place and is scheduled to meet Fairchild this week.

Y-12 took the K-25 lassies into camp by scores of 680-582, 675-615 and 697-665. Dot Roberts paced the individual scorers with 175, 147 and 145.

League standing follows:

Team	W	L	Team	W	L
Monsanto	33	15	O. D. Drug	23	25
R-A	31	17	Ford	22	26
Y-12	30	18	K-25	25	28
Fairchild	28	20	Grove Mchts.	14	29
Morats	25	23	P. Valley	19	29
Jeff.	24	24	Laundry	14	34

Private Jackson was on the carpet and the captain was stern. "Did you call the sergeant a liar," demanded the captain.

"Yessir," answered the private. "And a louse?"

"Yessir."

"And a cock-eyed, knock-kneed, pigeon-toed stooge?"

"No sir, I forgot that."



THIS LUCIOUS CROP OF GEORGIA PEACHES, who call themselves the Purple Hurricane, represent Blair's Florist of Atlanta. They invade Oak Ridge this week end to play our own Y-12 lassies Saturday night and Roane-Anderson on Sunday. First row, from left, are Evelyn Knight, Coach Lewis Baker, Betty Stanley, Erlene Daniel, Bobbie Jean Price, Irish Smith, Nanola Sears, Manager Doris Smith and Isabelle Harris. In the rear row are Bernice Aldmand, Mary Lee Armstrong, Mary Hobbs, Mary Hale, Beverly Zerst, Inez Vaughn and Kathleen Brooks.

### Y-12 Lassies Meet Atlanta Team Saturday Night At Jeffer. on

Y-12 basketball fans will be given their first opportunity to see the plant women cagers in action against strong outside competition when Coach Bill Davis' sextet meets the Blair's Florist lassies of Atlanta, Ga., at 7:15 o'clock Saturday night at the Jefferson Junior High School gymnasium. The Atlanta girls, known as the Purple Hurricane, will

### D Area Loop Keglers Hot With High Scores Posted

The thermometer registered freezing temperatures on the outside at the Jefferson Alleys last Tuesday night but the D Area League keglers chalked up some hot scoring as eight men registered scratch series scores of 500 or better. The Wood Choppers maintained their top standing in the loop but were forced to accept an even split of points with the fourth place Calutrons. The second place Termites fared no better as the Scotties rolled them to a two-point draw.

D Area bowlers who rolled 500 or better were E. M. Whitaker, Wood Choppers, 512; Phil Rueff, Termites, 516; Nelson Tibbatts, Scotties, 518; Joe Gill, Overheads, 522; Musser, Old Men, 529; Warren Grimes, Old Men, 536; Bill Tunnell, Termites, 552; and Leo Caldwell, Splinters, 607. Caldwell's mark set a new high for the second half and was composed of scratch games of 214, 224 and 169. The Termites' 860 for a single game and 1,015 for series were team highs for handicap scoring for the night.

Tonight's schedule for the Jefferson matches the Termites against the Calutrons; Scotties vs. Wood Choppers; Old Men vs. Overheads; and Strikers vs. Splinters.

League standing follows:

Team	W	L	Team	W	L
W. Choppers	9	3	Scotties	7	5
Termites	8	4	Old Men	5	7
Strikers	7	5	Overheads	3	9
Calutrons	7	5	Splinters	2	10

#### TRAP FOR UNWARY

Recent news dispatches told of the seizure of dice tables, card tables and other gambling equipment at the Mobile, Ala., Hunting and Fishing Club. Officers remarked that the club members were either "shooting a buck" or "catching suckers" as far as activities were concerned.